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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,115	04/29/2005	Yoshiko Takayama	2005_0740A	2341
513 WENDEROTI	7590 08/05/201 I, LIND & PONACK,	EXAM	EXAMINER	
1030 15th Stre	et, N.W.,	WANG, C	WANG, CHANG YU	
Suite 400 East Washington, E	C 20005-1503	ART UNIT	PAPER NUMBER	
		1649		
			NOTIFICATION DATE	DELIVERY MODE
			08/05/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ddalecki@wenderoth.com eoa@wenderoth.com

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/533,115	TAKAYAMA ET AL.		
Examiner	Art Unit		
CHANG-YU WANG	1649		

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The MAILING DATE of this communication appe	ars on the cover sheet with the o	correspondence add	ress				
THE REPLY FILED <u>20 July 2010</u> FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.							
. Me The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:							
a) The period for reply expiresmonths from the mailing	date of the final rejection.						
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire Is Examiner Note: If box 1 is checked, check either box (a) or MONTHS OF THE FINAL REJECTION. See MPEP 706.07(ater than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE	date of the final rejection	n.				
Extensions of time may be obtained under 37 CFR 1.138(a). The date on which the petition under 37 CFR 1.138(a) and the appropriate extension fee average been filled is the date for purposes of determining the period of extension and the corresponding amount for file 7. The propriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patient term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL							
2. A The Notice of Appeal was filed on 20 July 2010. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(a)). To cavid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).							
<u>AMENDMENTS</u>	,	,					
3. The proposed amendment(s) filed after a final rejection, to			cause				
(a) They raise new issues that would require further cor		E below);					
 (b) ☐ They raise the issue of new matter (see NOTE belo (c) ☐ They are not deemed to place the application in bet appeal; and/or 		lucing or simplifying t	ne issues for				
(d) ☐ They present additional claims without canceling a	corresponding number of finally reje	cted claims.					
NOTE: (See 37 CFR 1.116 and 41.33(a)).							
4. The amendments are not in compliance with 37 CFR 1.12		mpliant Amendment (I	PTOL-324).				
5. Applicant's reply has overcome the following rejection(s):							
Newly proposed or amended claim(s) would be all non-allowable claim(s).		•					
 For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is prov. The status of the claim(s) is (or will be) as follows: 		l be entered and an e	xplanation of				
Claim(s) allowed: Claim(s) objected to:							
Claim(s) objected to:							
Claim(s) withdrawn from consideration:							
AFFIDAVIT OR OTHER EVIDENCE							
 The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 							
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome all rejections under appea	l and/or appellant fail:	s to provide a				
 The affidavit or other evidence is entered. An explanation 	n of the status of the claims after er	ntry is below or attach	ed.				
REQUEST FOR RECONSIDERATION/OTHER 11. ☑ The request for reconsideration has been consideration because:	ered but does NOT place the applic	ation in condition for a	allowance				
See Continuation Sheet.							
12. 🔀 Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). 1/20/10							
13. 🔲 Other:							
	/Chang-Yu Wang/						
	Examiner, Art Unit 1649						

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06) Continuation of 11. does NOT place the application in condition for allowance because: Applicant's arguments have been fully considered but they are insufficient to overcome the rejection under 103(a). The rejection is maintained for the reasons made of record in the office action mailed Jaunary 20, 2010.

Claim 14 stands rejected under 35 U.S.C. 103(a) as being unpatentable over Nordisk (WO98/5646, published on Dec 30, 1998 as in IDS) in view of Perez-Santonja et al. (Am J. Ophthalmol. 1999. 127-497-504, cited previously), WO98/44922 (Yang et al. published Oct 15, 1998, as in IDS) as evidenced by Suzuki et al. (see p. 550, abstract, Suzuki et al. (curr Eye Res. 2000. 21:550-553, cited previously) and Fini et al. (see p. 512 2nd ocl., Fini et al. Arch Dermatol. Res. 1998. 290: S12-S23, cited previously) and fine data of comea (p. 3-4, retrieved from the NEI website, www.nei.nh.gov/health/comealdisease, cited previously). The rejection is maintained for the reasons sende of record and the reasons set forth below.

On p. 2-3 of the response. Applicant argues that Nordisk describes SSTR2 and SSTR4 are expressed in the inis-ciliary body and retine and refers to treating glaucoma, storam keratitis, inits, rethintis, cataract and conjunctivitis. But Suzuki and Tein do not describes that the disease which Nordisk discloses result in decreased corneal sensitivity. Applicant further argues that the other cited references fail to remedy the deficiency. Applicant argues that Nordisk either atone or in combination fails to teach the claimed method. Applicant argues that a skilled artisan would not expect the potency of the claimed invention from the cited references because examples 4-5 in instant specification showed that compound 1 (SSTR2 agonist) and compound 2 (SSTR4 agonist) exert a promoting effect on axon extension at a 10 or 100 times lower concentration. Applicant's arguments have been fully considered but they are not persuasive.

In response, first, as previously made of record, Applicant cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981), In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). In addition, the evidentiary references Suzuki and Fini are cited to support the fact that conjunctivities) and comeal ulceration caused by stromal keratitis (herpes virus infection on comea) and stromal ulceration have defective healing of corneal epithelium.

Further, in this case, although Nordisk does not teach that the decreased comeal sensitivity occurs after surgery as recited in instant claim 14, Perez-Santoja teaches that laser in situ kreatomilieusis to correct myopio or photorefractive keratectomy can decrease comeal sensitivity (see p. 497, abstract & col 2, in particular). Note that laser in situ keratomilieusis and photorefractive keratectomy are a surgery that causes decreased comeal sensitivity. Thus, it would have been obvious to a skilled artisan at the time the instant invention was made to use somatostatin, a SSTR2 or SSTR4 somatostatin agoinst to recover decreased comeal sensitivity in a subject with a damaged or cut comeal nerve axon wherein the decreased comeal sensitivity results from surgery. The person of ordinary skill in the art would have been notivated to do so with an expectation of success because an eye surgery can cause decreased comeal sensitivity, and somatostatin, a SSTR2 or SSTR4 somatostatin agonist has successfully been used to recover decreased comeal sensitivity in patients with a damaged corneal nerve axon, such as patients with glucuoma, conjunctivitis, inflammation of comeal storma, stromatics, which are disorders with a damaged corneal nerve and defective corneal epithelium as taught by Nordisk. Thus, the results or recovering decreased corneal sensitivity are surgery using somatostatin, a SSTR2 or SSTR4 somatostatin agonist would have been expected.

Moreover, although Nordisk and Perez-Santoja do not specifically teach that t-butyl 6-amino-2-(3-(1H-indol-3-yl))-2-((4-(2-oxo-2,3dihydrobenzoimidazoi-1-yl)piperidine-1- carbonyl)amino)propionylamino)hexanoate or 1-(3-(N-(5-bromopyridin-2-yl)-N-(3,4dichlorobenzyl)amino)propyl)-3-(3-(1H-imidazol-4-yl)propyl)thiourea as an SSTR2 and SSTR4 agonist respectively, WO98/44922 teach tbutyl 6-amino-2-(3-(1H-indol-3-yl)-2-((4-(2-oxo-2,3-dihydrobenzoimidazol-1-yl)piperidine-1- carbonyl)amino)propionylamino)hexanoate as an SSTR2 agonist (see abstract; p.2, p.8, p. 13-15, in particular), and WO97/43278 teaches 1-(3-(N-(5-bromopyridin-2-yl)-N-(3.4dichlorobenzyl)amino)propyl)-3-(3-(1H-imidazol-4-yl)propyl)thiourea as an SSTR4 agonist (see abstract: p. 2-22, in particular). Thus, it would have been obvious to a skilled artisan at the time the instant invention was made to use t-butyl 6-amino-2-(3-(1H-indol-3-yl)-2-((4-(2oxo-2,3-dihydrobenzoimidazol-1-vl)piperidine-1- carbonyl)amino)propionylamino)hexanoate or 1-(3-(N-(5-bromopyridin-2-vl)-N-(3,4dichlorobenzyl)amino)propyl)-3-(3-(1H-imidazol-4-yl)propyl)thiourea to recover decreased corneal sensitivity in a subject with a damaged or cut corneal nerve axon wherein the decreased corneal sensitivity results from surgery. The person of ordinary skill in the art would have been motivated to do so with an expectation of success because an eye surgery can cause decreased corneal sensitivity, and somatostatin, a SSTR2 or SSTR4 somatostatin agonist has successfully been used to recover decreased corneal sensitivity in patients with a damaged corneal nerve axon, such as patients with glaucoma, conjunctivitis, inflammation of corneal stroma, stromal keratitis, which are disorders with a damaged corneal nerve and defective corneal epithelium as taught by Nordisk. Thus, the results of recovering decreased corneal sensitivity after surgery using t-butyl 6-amino-2-(3-(1H-indol-3-yl)-2-((4-(2-oxo-2,3-dihydrobenzoimidazol-1-yl)piperidine-1carbonyl)amino)propionylamino)hexanoate or 1-(3-(N-(5-bromopyridin-2-yl)-N-(3,4-dichlorobenzyl)amino)propyl)-3-(3-(1H-imidazol-4vl)propvl)thiourea would have been expected because t-butyl 6-amino-2-(3-(1H-indol-3-vl)-2-((4-(2-oxo-2.3-dihydrobenzoimidazol-1vl)piperidine-1- carbonyl)amino)propionylamino)hexanoate is an SSTR2 agonist and 1-(3-(N-(5-bromopyridin-2-yl)-N-(3.4dichlorobenzyl)amino)propyl)-3-(3-(1H-imidazol-4-yl)propyl)thiourea is an SSTR4 agonist as taught by WO98/44922 and WO97/43278 respectively.

Accordingly, the rejection of claim 14 under 35 U.S.C. 103(a) as being unpatentable over Nordisk in view of Perez-Santonja et al., WO98/44922 and WO97/43278 as evidenced by Suzuki et al. and Fini et al. and the data of cornea (retrieved from the NEI website) is maintained.

/CYW/ 7/21/10